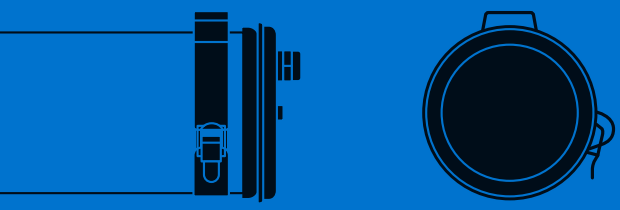
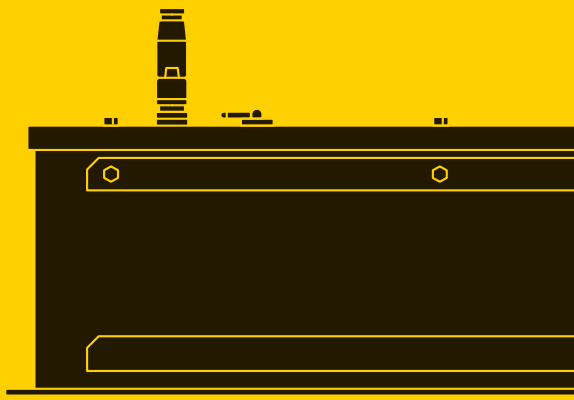
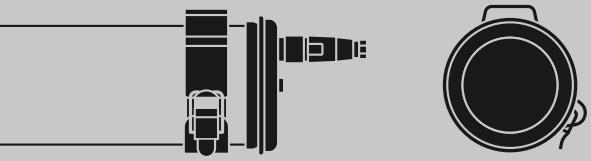
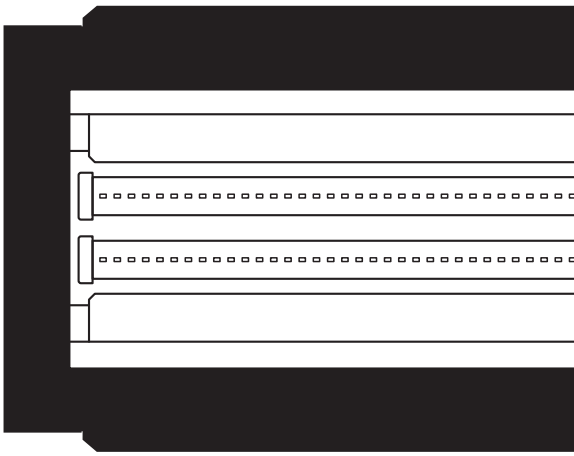
Durable lighting for industry

Since 1927



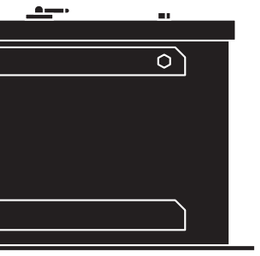


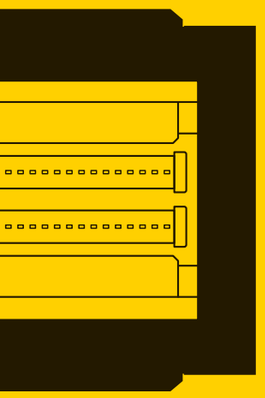




Sammode

Durable lighting for industry





Sammode boasts a tradition of excellence, integrity and ingenuity

Excellence

Here at Sammode, we don't simply claim to target excellence, we constantly demand the best, staying true to ourselves. We have been designing and manufacturing solid, functional, effective, reliable, long-lasting and well-defined luminaires since 1927. Our models can withstand tough environments, coping long-term with dust, humidity, extreme temperatures, corrosion and mechanical loads and other challenges.

Sammode's excellence is achieved thanks to a meticulous design process, the careful selection of just the right materials and components, stringent laboratory testing and quality standards that cover every detail, at every single stage of production.

Integrity

Here at Sammode, we begin by really listening to the needs of our customers and considering the full range of their applications, processes and requirements. We then start the process of identifying the right solution, one which will meet all these requirements and stand the test of time. Integrity also means never engaging in any form of flashy showmanship or adding superfluous details or features.

Ingenuity

Ingenuity in itself is not the main aim here at Sammode, but rather the best possible means of ensuring we do our job well. We target real solutions with almost artistic patience, as he who seeks shall find, and then adjust. We aim to improve every little detail, producing simpler and more durable luminaires, while keeping costs under control.

We believe that keeping things simple, with streamlined processes, parts and instructions, brings greater efficiency and is a form of beauty in itself. The design process does indeed contribute to the final product, our luminaires meet technical requirements while offering an inherent aesthetic. *Make it right, make it well, make it to last*.

We believe that a good luminaire is one which is so reliable that once it is installed, you forget about it.

Sammode offers

long-lasting performance

Sammode has been the supplier of choice for industrial firms that insist on 100% reliable and durable products for nearly a century. We provide precise solutions, meeting every specific need, in any type of tough environment. Performance, solidity, repairability and scalability all contribute to a durable luminaire.

Designed to last

Sammode designs its luminaires with one main aim: the luminaire should last as long as the building. We don't believe in temporary solutions. We opt for a precise design, quality manufacturing, solid assembly and carefully selected materials to produce a consistent, reliable and durable luminaire. Some of our models benefit from a 10-year warranty. We guarantee spare-part availability for 30 years. This is how we avoid any obsolescence, opting for quality that can be passed down the generations rather than playing the disposable card.

Solidity is our leitmotiv

Our luminaires are built to face the toughest environments. The stainless steel, borosilicate glass and thoroughly tested composites used in our luminaires are selected for their ability to withstand impacts, corrosion, vibrations and chemicals, depending the version. Some models can operate down to -60 °C, and others up to +200 °C. Our luminaires are at hand in places where light is necessary, but not necessarily expected. Reliable. Efficient. Durable.

Ultimate leaktightness and durability

Our unique tubular design keeps water, dust and aggressive external agents out of the luminaire. Our luminaires boast the maximum possible Ingress Protection ratings (IP66, IP68 and IP69K), ensuring they can withstand high-pressure washing, damp environments and extreme conditions. Our luminaires provide efficient lighting and durable performance in factories, laboratories and explosive atmospheres.

We are obsessed with providing unrivalled levels of reliability to guarantee operator safety, ensure non-stop production and avoid the steep costs incurred in downtime.

The right light to meet the needs

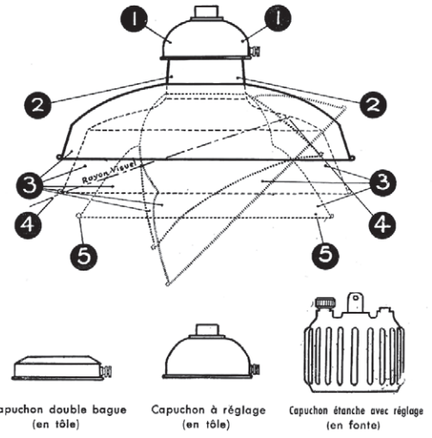
Here at Sammode, performance is not just about lumens. It is also about offering a solution that lasts. For this reason, we select our components based on strict requirements and design our products to provide right, stable and constant lighting that meets your needs. We integrate smart lighting into our processes on the same basis, aiming to provide effective, affordable lighting tailored to the specific need.

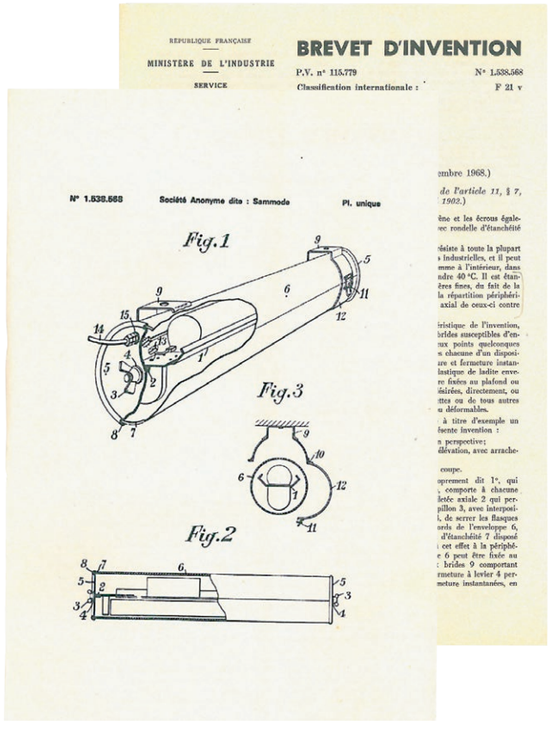
Repair rather than replace

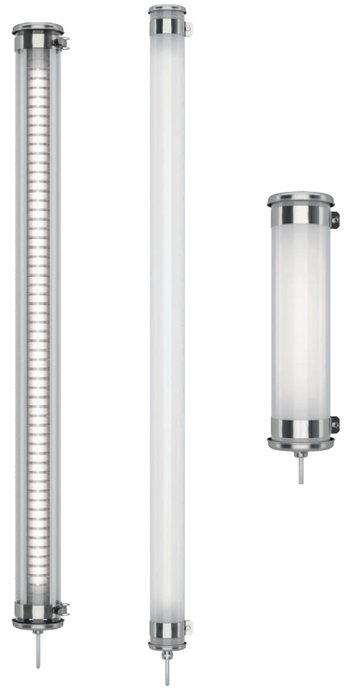
Our luminaires can be fully dismantled. Consequently, every single part, whether the LED module, a diffuser, the driver, gaskets, a gear tray, connectors or attachments, can be replaced. Repair and adaptation options will extend the lives of luminaires. and they can be upgraded with new technology, without any obligation to remove existing units. This is the Sammode way of doing business ethically, incorporating precision and pragmatism.

A century of excellence

serving industry and infrastructure







Sammode, the inventor of the tubular luminaire concept.

Sammode has been designing and manufacturing industrial luminaires for the most demanding environments since 1927. Lighting in the fields of heavy-duty industry, energy, food and transport infrastructures must be reliable and effective, and Sammode can provide precise, tried-and-tested solutions that last.

Sammode has focused on advanced industrial lighting since the late 1920s. We launched our sealed fluorescent tube luminaire (TFH for "Tube Fluorescent Hermétique") in 1967 and the new model established itself as a benchmark for all locations, from factory workshops to railway tunnels.

In the 1980s, thanks to the company's industrial expertise and metalwork know-how, we expanded our ranges to include architectural models and public lighting for indoor and outdoor settings.

Later on, from 2015, Sammode diversified into new markets such as homes and hospitality settings.

100% of Sammode luminaires are manufactured in France.

An independent family business

Sammode was founded in Châtillon-sur-Saône in the Vosges region, where the production site continues to manage the full production chain from A to Z. Every step of the process, from research to design, prototyping, testing and manufacturing, is planned and executed in France, with a constant focus on quality and traceability. Almost all of our components are manufactured in France or Europe, and we hold ISO 9001 certification for our production line, as well as manufacturing CQC, ENEC, NF AEAS and ATEX/IECEx certified luminaire ranges.

Sammode also has strong convictions, such as a long-standing commitment to sustainable development, as demonstrated by its decisions and policies promoting French industrial expertise in the fields of eco-design, repairability and durability. This unwavering commitment to industry, maintained by four generations, has been rewarded with an EcoVadis gold medal. Sammode teams invest their efforts in providing ideal and effective lighting via reliable and durable luminaires.

Total process control, from the design phase to the finished product

Sammode has long combined industry with a craftsperson's attention to detail, and advanced technologies with historical expertise. The company stands out thanks to this winning combination, part of its very foundations. All of our tooling is designed in-house. Our components are selected with care. Most of our production line is managed in-house. It is these structural decisions that make us manufacturers and give us a high degree of control over the quality of our products, their durability and our lead times.

"When customers choose one of our products, they don't just get a luminaire: they get intelligence and service too."

Emmanuel Gagnez,
Sammode CEO

A long history of meticulous,

future-focused R&D

Innovation from the word go

Here at Sammode, innovation goes right back to our early days. In 1967, we invented the sealed fluorescent tube light (TFH), which has since become a benchmark and emblematic solution.

At Lamotte-Beuvron, at the heart of the Sologne region, our R&D centre and laboratory breathe life into this ambition in a former printing shop, converted with care by Freaks, an architecture firm. Each individual luminaire is thoroughly tested from the early development phases, in actual operating conditions. We also use this site to meet with our customers for discussions and dialogue, as here at Sammode we believe that innovation is always a collective process.

Our teams improve the performance of our luminaires and design new features on a daily basis, including innovative materials, optimum assembly methods, efficient components, low-carbon solutions and more.

Our aim is to offer solid and long-lasting solutions to our customers' needs.

Innovating for the future

Smart lighting is a key component of our innovation policy. We apply our usual standards to smart lighting, including sensors, control systems, lighting intensity management, lighting scenarios, etc. Every detail is designed with a genuine purpose and a degree of restraint. Forget superfluous additions, every part is required for the application and there for a reason. Sammode lighting is responsive, adaptable and precise, and of course reliable, our core strength.

We have designed an on-line configurator able to produce, cost and provide documentation for millions of Sammode luminaire variants, enabling us to cover a wide range of industrial and architectural needs.

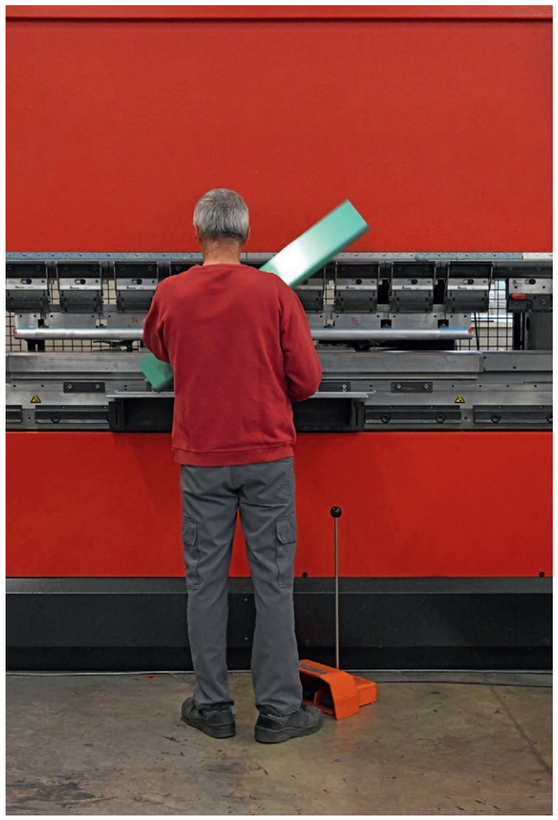
Each year, we invest some 10% of our turnover in research, development and technical upgrades.

This reflects our belief that sustainable innovation is not just a claim, it must be built up humbly, day by day.

For all photos: R&D centre
Sammode, Lamotte-Beuvron (Loir-et-Cher)
From top to bottom, from left to right

1. View from outside
2. Photogoniometer
3. Leaktightness testing room
4. Endurance testing room
5. Dust tightness test bench

Designing products to meet needs, via durable manufacturing



“Sammode’s roots lie in a region with both industrial and rural strengths, as well as a harsh but fertile climate. As a firm, we have retained our culture as both a designer and manufacturer with an acute awareness of the limited resources available to us, well before the climate crisis brought a cruel reminder of something that society should never have lost sight of in the first place. On this basis, durability was a core feature of our design mindset from the very start, with repairable products.”

Emmanuel Gagnez,
Sammode CEO

For all photos:
the Sammode plant,
Châtillon-sur-Saône (Vosges)

1. Stainless steel end caps prior to drawing
2. Folding press
3. Drawing lathe
4. Grid vanes after cutting

Sammode has been manufacturing its luminaires in the Vosges hills, at Châtillon-sur-Saône, since 1927. The site is ISO 9001 certified and produces CQC, ENEC, NF AEAS and ATEX/IECEx certified ranges, embodying a clear vision of high-performance manufacturing as a local strength. Nothing is left to chance. Every little detail is designed, planned out, moulded, assembled and checked on-site, as part of a comprehensive integrated process.

An integrated production system built on confirmed expertise

Drawing, embossing, stamping, folding, welding, degreasing, lacquering and assembly: all of these precise phases play a role in producing every single Sammode luminaire, controlled by advanced information systems under the close eye of highly qualified and invested operators. Operator expertise is passed on and enhanced over the years, guaranteeing quality manufacturing, compliance with the highest standards and precise production to the selected configuration, the one most suitable for the customer’s needs. Sammode can boast a flexible, high-calibre production line thanks to these smart processes, combined with advanced production tools.

Carefully selected components

Our luminaires offer a quality performance thanks to both their housings and their internal components. Electronic boards, LED modules, beams and drivers are all carefully selected, tested and approved. All of our components are sourced from French or European suppliers renowned for their reliable technologies, or are produced to custom specifications to meet precise needs.

Checking quality every step of the way

Quality control is not just a formality for Sammode. Each and every luminaire is tested upon leaving the production line according to strict procedures: compliance with standards, electrical safety, loads, satisfactory performance, etc. We make sure we identify any failures here at Sammode, so our customers never experience an issue. Trained operators examine all of our products, and will detect even minor non-compliance or the smallest anomaly. These checks are backed up with intermediate testing throughout the process, guaranteeing unfailing quality from the first-off to the last-off.

Built to last

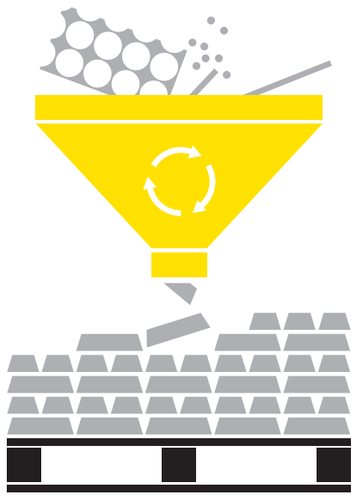
Our luminaires are built to last, and are compatible with repairs or upgrades. All parts can be removed, replaced and updated. Sammode applies one simple principle—repair rather than replace—and this guides all of our engineering decisions. On this basis, every luminaire is a low-impact sustainable industrial product, and can be fully maintained well into the future.

An industrial facility with a long history

Sammode has operated an ultra-sophisticated, comprehensive industrial workshop at Châtillon-sur-Saône since its initial incorporation. The company has regional roots but an international impact thanks to its customers. The first plant stood on the banks of the Saône river, but was later rebuilt and extended on the slopes above the village. It was subsequently expanded a further three times. We have trained, passed on, invested in and protected our industrial expertise for more than a century. At Sammode, we consider our manufacturing operations as a commitment to a region, to the local communities within it, and to our customers, in terms of quality, durability and confidence.

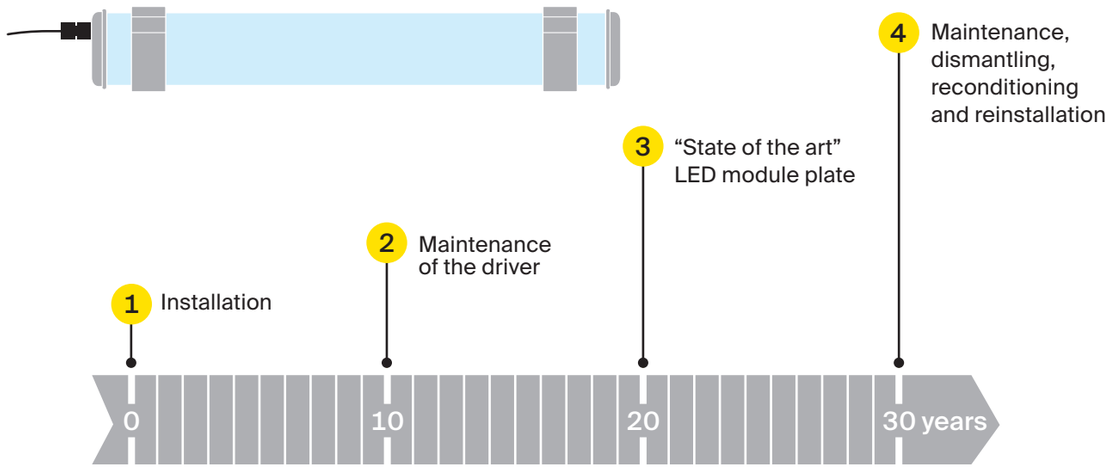
Durability, CSR and the right lighting

100% designed and
manufactured in France
100% French and European suppliers



98% of waste metal is recycled

Flow chart showing the life of a Sammode luminaire
in a demanding industrial environment under intensive use, 24⁄7



100% repairable and upgradable

The product with the lowest ecological impact is the one you don't have to replace.

Since the start, we have always aimed to produce durable and ethical products where nothing is superfluous. As a designer and manufacturer, Sammode supports local industrial expertise that controls costs and protects resources.

1.6 additional jobs are supported in France for every direct job with Sammode*.

* Source: Utopies study 2025

Our mission

We aim to allow our customers to make their own contribution to sustainability by opting for better lighting, designed to last longer, using less resources.

Production

Our production site has been located in the Vosges hills since Sammode was founded, and plays a pivotal role in our commitments. Our teams at the site design long-lasting, solid, repairable and upgradable products. Our luminaires comprise recyclable materials and spare part availability is guaranteed for 30 years**, ensuring they last as long as the host building.

R&D

Our R&D teams also focus on smart lighting. All sensors, dimmers, local and remote control functions are designed to adjust lighting to actual use, reducing consumption without any compromise in terms of quality.

** Detailed terms and conditions can be found on our website at sammode.com

Lighting studies

We optimise layout and power on the basis of our custom lighting studies. Efficiency means fewer light points through better design.

Protection and recycling

98% of our waste metal is recycled. Our packaging is plastic-free, and contains recycled and reused cardboard. No water is required for our production line, and our documents are available in electronic format.

Our LED retrofit kits can be used to modernise luminaires without disposing of parts, while simultaneously halving energy consumption. These kits do not affect the performance of the housing (leaktightness and solidity), but can be used to rapidly retrofit the luminaire without replacing the entire fixture.

Independent testing

Our luminaires are tested by independent bodies as part of NF, ENEC or DB (Deutsche Bahn) certification or referencing processes, among others.

A comprehensive CSR policy

We require our partners to meet strict environmental and social criteria. We obtained the EcoVadis gold medal in 2023 and 2024 in recognition of all our commitments. We also set up a continuous improvement pathway for CSR as part of our carbon audit in 2023. Moreover, certain ranges of luminaires come with Life Cycle Assessment (LCA) sheets of the PEP Ecopassport type*.

GOLD | Top 5% ecovadis Sustainability Rating NOV 2024

PEP ecoPASSPORT® *

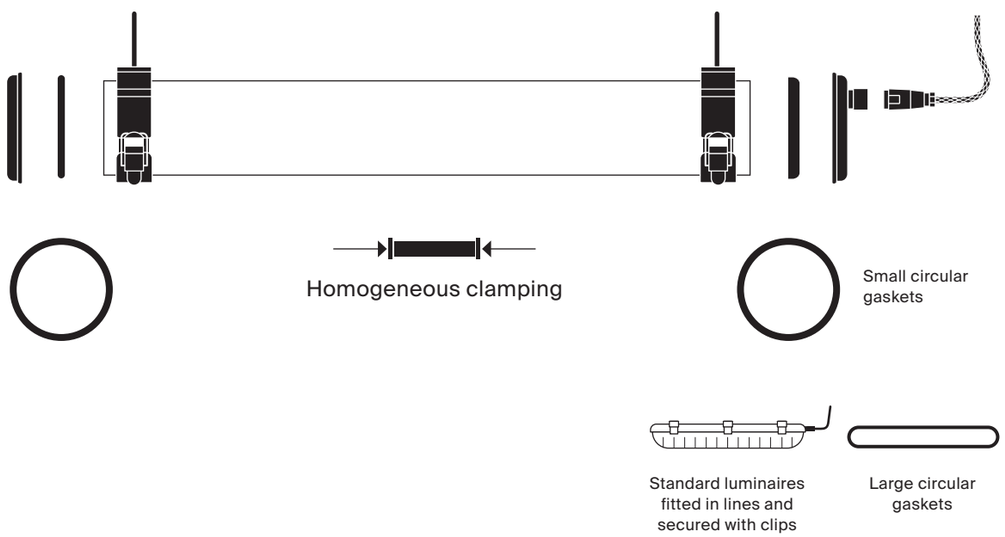
Sammode drives sustainability

Improving production methods is not just a possibility for Sammode, it is a true obsession, and has been for a century. Behind us, an entire chain of contributors, including customers, end customers and users, all drive this durable and controlled industrial transition.

*List available upon request

Our tubular system

with its unrivalled efficiency levels



Sammode invented the tubular luminaire in 1967 and has continued to develop the concept since this time, including the tubular housing, the homogeneous short gaskets, the stainless steel axial locking screws and the shock absorption system for mechanical loads.

This unique concept has been tweaked year after year to ultimately become Sammode's technical signature. Several million luminaires have been manufactured based on this principle. All of these luminaires uphold the same promise of long-term leaktightness, including in the toughest conditions.

The strengths of our tubular concept

Each luminaire is designed as a coherent technical system where shape, materials and functions all rhyme with high performance. The geometry of the tubular body brings exceptional levels of rigidity. The end of the tube ensures leaktightness, limiting the size of the gasket and therefore any risk of ingress. The central clamp distributes forces homogeneously. The materials—stainless steel, sulphur-free EPDM and silicone—have been selected to last, in any type of chemical environment and regardless of temperatures or mechanical loads.

A 100% repairable luminaire

Sammode's tubular luminaires have been designed to allow for easy repairs: every single component can be replaced with parts benefiting from guaranteed availability for at least 30 years post-manufacturing. Thanks to this approach, all components can be upgraded, and LED modules can be retrofitted to easily replace former fluorescent technology models.

Specifically selected components and materials

All components are selected with care. Cabling is insulated with silicone-coated woven fibreglass, and can withstand up to 180 °C. The composite diffusers combine a polycarbonate core (IK10) with a co-extruded PMMA skin, able to withstand detergents and UV radiation, as well as meet European food standards. The borosilicate glass diffusers can withstand high temperatures.
Our metal parts are manufactured in food-grade stainless steel (304L) or marine-grade stainless steel (316L).

Capable of withstanding all conditions

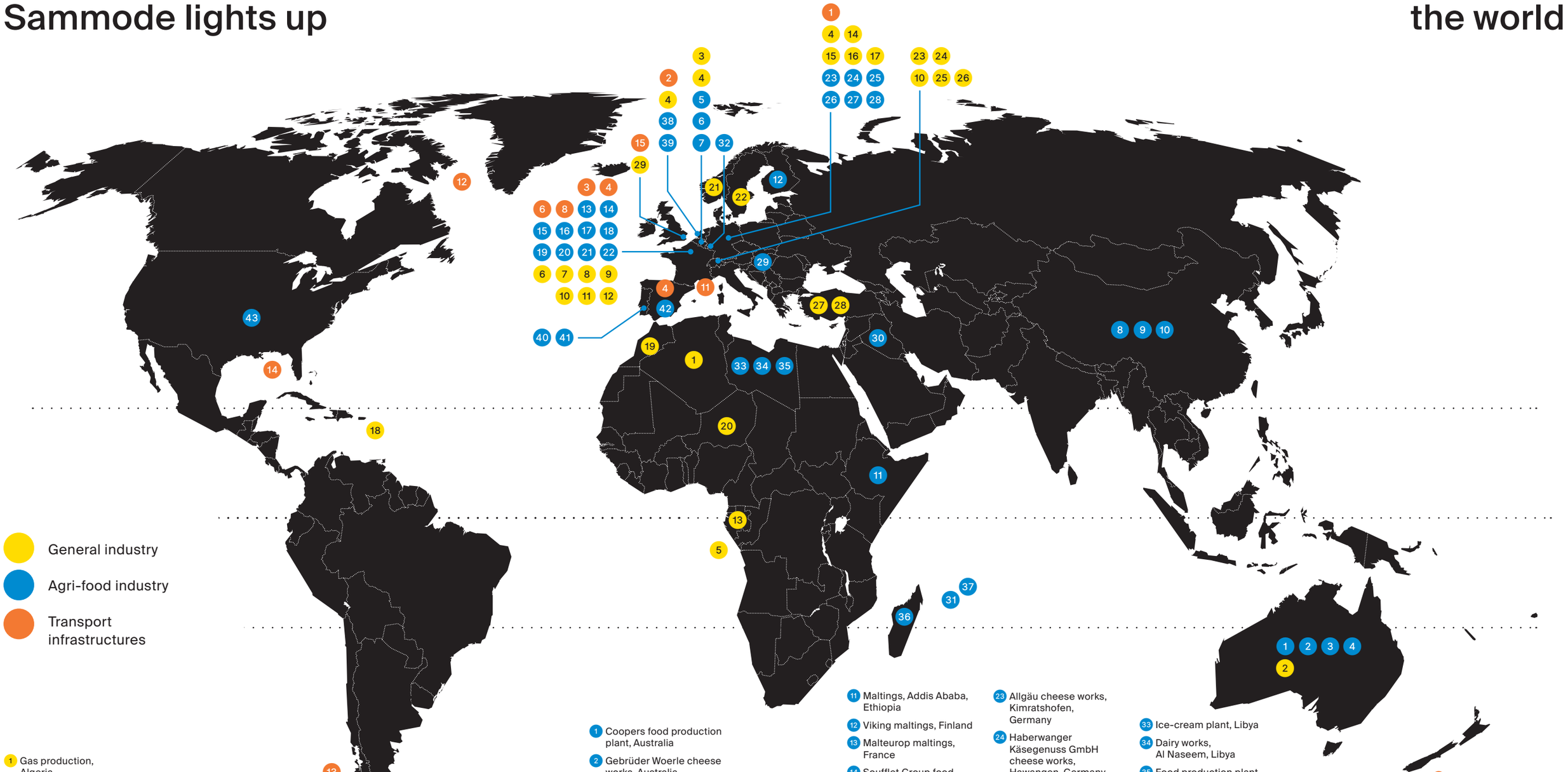
Our luminaires can withstand vibrations (tests according to the most stringent standards, such as IEC 61373), as well as impacts (up to IK10–20 joules), extreme temperatures (up to +200 °C), saline environments, chemicals and dust.
Our luminaires can withstand any type of humidity (IP68/69K leaktightness). The fixing straps absorb strain, ensure safety and make it easy to install and maintain the luminaire. We have developed our own specific ultratight plug-in connector able to withstand impacts, allowing operators to rapidly install the luminaire without any need to open it.

Unit tests designed to ensure optimum reliability and traceability

All luminaires are individually tested for continuity, performance and safety as they leave the line. No parts leave the workshop without first successfully passing the test bench procedure and obtaining a label bearing a unique traceability reference. This requirement was defined based on combined know-how passed down over several generations. Our operators do more than simply assemble parts, they pay close attention and manage the fine points of every action, ensuring that our products reach high standards.

We accept no compromises. Luminaires cannot be allowed to represent the weak link in a tough environment. At Sammode, we guarantee our customers unfailing reliability, minimum maintenance and lighting to last well into the future thanks to our full command of the design and manufacturing phases.

Sammode lights up the world

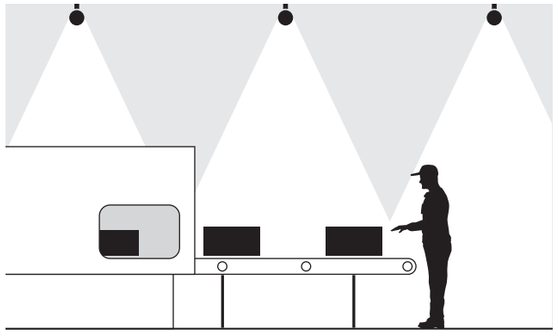


- General industry
- Agri-food industry
- Transport infrastructures

1. Gas production, Algeria
2. Mine processing and extraction plants, Mount Isa Mines, Australia
3. Data centre, Verdon, Belgium
4. Steelworks, Belgium, the Netherlands and Germany
5. Perenco oil platform, Democratic Republic of the Congo
6. Sabena aviation paint booths, France
7. Dalkia heating, Le Vaumin, France
8. ArcelorMittal steel works, Dunkerque, France
9. Golfech NPP, France
10. Flamanville EPR NPP, France
11. Eau de Paris water treatment plant, France
12. Water treatment plant, Bruyères de Sèvres, France
13. Manganese mine, Gabon
14. Airbus aviation paint booths, Hamburg, Germany
15. Prien am Chiemsee water treatment plant, Germany
16. Stuttgart 21 water treatment plant, Stuttgart, Germany
17. Gut Großlappen water treatment plant, Munich, Germany
18. Jary Sud energy plant, Guadeloupe
19. Royal Air Maroc aviation maintenance halls, Morocco
20. Uranium mine, Niger
21. Yara chemical plant, Norway
22. Train warehouse, Nassjo, Sweden
23. Syngenta chemical plant, Switzerland
24. Siegfried chemical plant, Switzerland
25. Water treatment plant (Klärwerk), Mendrisio, Switzerland
26. Watertreatmentplant(ARA), Bern, Switzerland
27. Industrialproductionplant, Turkey
28. Zinc mines, Turkey
29. Hinkley Point NPP, UK
1. Coopers food production plant, Australia
2. Gebrüder Woerle cheese works, Australia
3. Baiada Poultry meat processing plant, Pendle Hill, Australia
4. Teys meat processing plant, Australia Eight Mile Plains, Australia
5. Couplet SA sugarworks, Brunehaut, Belgium
6. Ardo food production plant, Belgium
7. Mouterij Dingemans maltings, Belgium
8. Daliantianbao Green Foods production plant, China
9. Daliantianbao food production plant, Dalian, China
10. Cold storage plant, Dalian, China
11. Maltings, Addis Ababa, Ethiopia
12. Viking maltings, Finland
13. Malteurop maltings, France
14. Soufflet Group food production plant, France
15. IREKS food production plant, France
16. Malteries Franco-Belges maltings, France
17. Distillery/sugarworks, Lillers, France
18. Chevrières sugarworks, France
19. Bigard meat processing plant, France
20. Charal meat processing plant, France
21. Fleury Michon meat processing plant, France
22. LDC meat processing plant, France
23. Allgäu cheese works, Kimratshofen, Germany
24. Haberwanger Käsegenuss GmbH cheese works, Hawangen, Germany
25. Feneberg meat processing plant, Germany
26. Herta meat processing plant, Germany
27. Tönnies Holding meat processing plant, Rheda-Wiedenbrück, Germany
28. Zenz Fleisch GmbH meat processing plant, Saarland, Germany
29. Bonduelle cannery, Hungary
30. Fertilizer plant, Jordan
31. Bois Rouge sugarworks, Saint André, Réunion
32. Luxlait dairy works, Luxembourg
33. Ice-cream plant, Libya
34. Dairy works, Al Naseem, Libya
35. Food production plant, Al-Maseem, Libya
36. 5 Océans cannery, Madagascar
37. DairyVale food processing plant, Mauritius
38. Holland Malt maltings, Netherlands
39. Van Drie Group meat processing plant, Netherlands
40. Monliz frozen food plant, Portugal
41. Unicer drinks, Portugal
42. Intermalta maltings, Spain
43. Cargill food processing plant, USA
1. Frankfurt airport, Germany
2. Rotterdam port, the Netherlands
3. Saint-Nazaire port, France
4. Perthus Perpignan/Figueras railway tunnel, TP Ferro, Spain
5. Grand Paris Express—Line 18 railway tunnels, Paris, France
6. Charles de Gaulle Express railway tunnels, SNCF Réseau, France
7. Peersboss & Soumagnes/Walhorn railway tunnels, Infrabel, Belgium
8. STIF bus centre, France
9. SNCB railway maintenance workshops, Charleroi, Belgium
10. BLS Bönigen railway inspection pits, Switzerland
11. Car park, Monaco
12. Arctic bulk vessel, *Norilsk Nickel*
13. Polar cruise ship, *Magellan Explorer*
14. *Utopia of the Seas*, *Grandeur of the Seas* and *Rhapsody of the Seas* vessels
15. Channel tunnel, Eurotunnel, UK

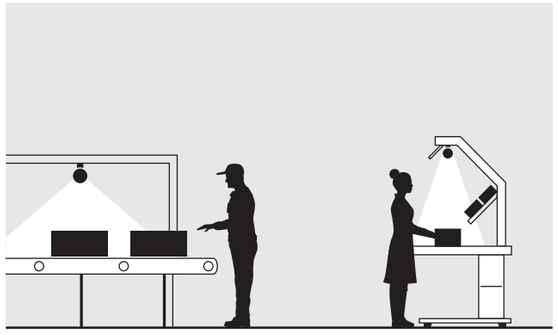
The different types of lighting

Luminaires with specific characteristics are available for each type of set-up. Our luminaires boast exceptionally long service lives and meet both regulatory and functional requirements, for every type of application.



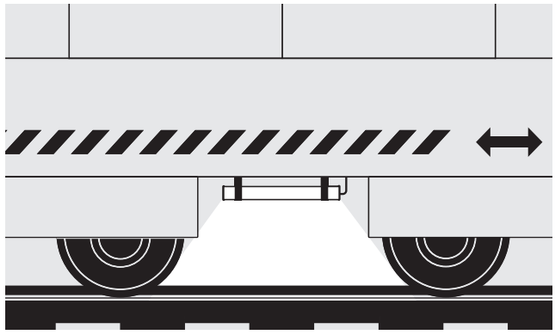
General lighting

General lighting is designed for industrial processing halls larger than 20 m², with ceilings lower than 7 m, requiring lighting in excess of 150 lx. In environments where it complies with the applicable quality policies and standards, general lighting helps to ensure employee well-being, reduces operator fatigue and boosts team efficiency and safety.



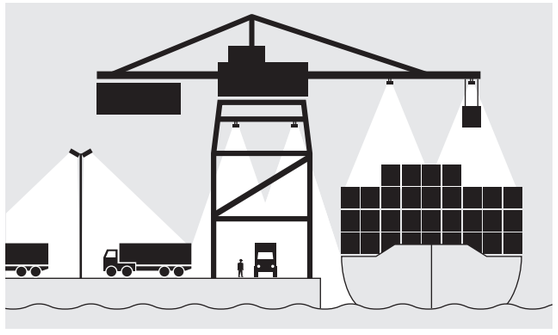
Precision lighting

Precision lighting is designed for rooms smaller than 20 m², with ceilings lower than 3 m, and confined locations. Luminaires installed in such sites are frequently turned on and off. “Low-luminance” luminaires ensure appreciable visual comfort for all precision workstations.



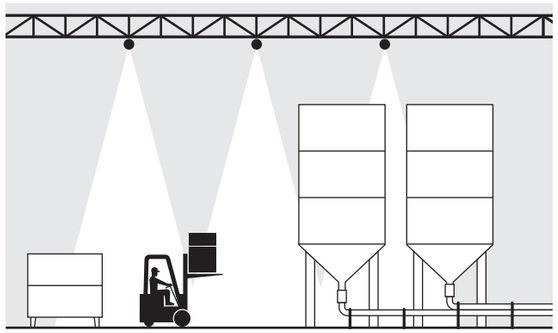
Compact models

Highly compact sealed luminaires are necessary in confined industrial spaces. They must be resistant to external pollution, impacts and ageing due to UV radiation as well as requiring minimum maintenance.



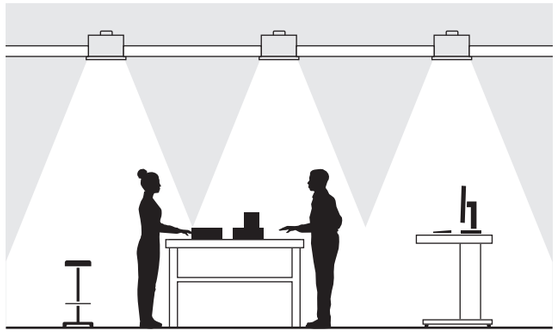
Large-scale industrial infrastructures

Large-scale industrial infrastructures such as ports, mines and energy plants in particular need ultra-sturdy lighting (to protect from dust, bad weather, vibrations, heat, etc.), and sometimes even ATEX/IECEx models (petrochemical, gas, etc.).



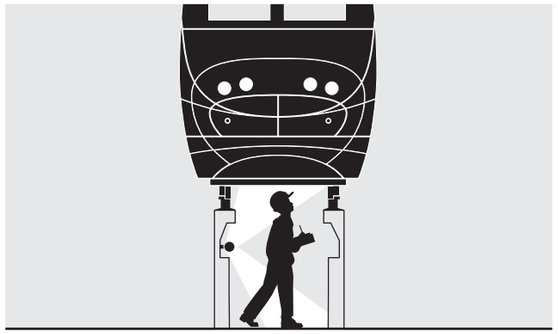
High ceilings

The lighting fitted on the high ceilings (7 to 15 m high) of food production or cold storage halls must be easy to install, clean and maintain in order to meet food safety requirements. Optimal reliability levels will also limit the need for maintenance, which is a real asset for these often difficult-to-access locations.



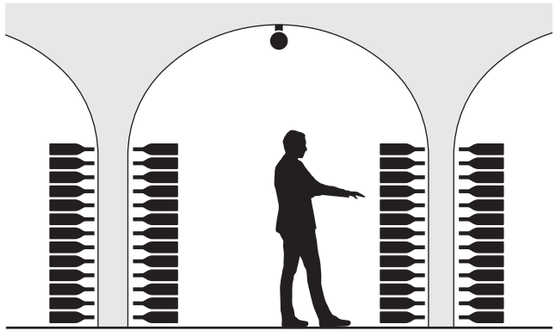
Clean rooms

Clean rooms are subject to strict health and safety requirements, with 100% stripped sterile areas, walls with rounded corners and smooth coatings with no roughness which could retain contamination. Luminaires must be maintained with top-access, via crawlspace ceilings.



Inspection pits

Our luminaires provide uniform lighting on the lower surface of the undercarriage, limiting glare and leaving maintenance teams free to do their jobs. Our sealed luminaires can withstand regular cleaning and high-pressure jets.



Cellar lighting

The luminaires installed in the wine cellars of the leading wine-makers must fit in with tthe architecture of the site, meet wine-making requirements and satisfy labour regulations, meaning that they have to be discreet, functional and safe, with no effect on the wines. The minimal maintenance requirements of these luminaires allow for optimum safety conditions during work in the cellars.

Sammode smart lighting and industrial performance

Integrating smart lighting where it makes sense

Sammode's mission is to provide durable lighting to meet precise needs. Sammode smart lighting is not simply intended to provide better lighting, our aim is to improve employee protection and support, avoid accidents and reduce bills making our solutions more sustainable. Our approach is clear: we integrate smart lighting where it makes sense.

High-tech technology with Sammode reliability

Whenever a new technology is launched, reliability must be re-appraised. Here at Sammode, we opt for the toughest tried-and-tested components. Our sensors can also be integrated in our luminaires, with protection.

Detection-based control systems

Built-in motion sensors can be fitted on our luminaires, with DALI protocol connections allowing for flexible but precise control with no need for complex cabling. Our luminaires are dynamic devices, able to turn on as someone approaches and turn off when everyone has left, adapting to activity levels and ambient lighting levels. Lighting matches site activity without need for operator action and without excess consumption.

Interoperable solution for long-term performance

Sammode has opted for the DALI protocol, a connections standard for industry and transport infra-structures. Our systems are thus interoperable and upgradable, and compatible with most BMSs.

Operators will immediately feel the benefit. By ruling out dark zones, responsiveness is optimised. The reliable and uniform lighting ensures constant visual comfort. Reduced fatigue enhances attentiveness. And optimises safety.

Plant operators can halve their energy consumption, and benefit from simplified and scheduled maintenance, segmented control, total flexibility, and optimal industrial performance. Thanks to our smart LED kits, luminaires can be modernised without replacing the housing, making the whole process easy and eliminating any downtime.

Such investment makes sense for any customer, meets safety requirements and boosts energy performance and traceability.

Sammode, the benchmark for all industrial environments

Our products offer industrial lighting solutions for the most demanding sectors.

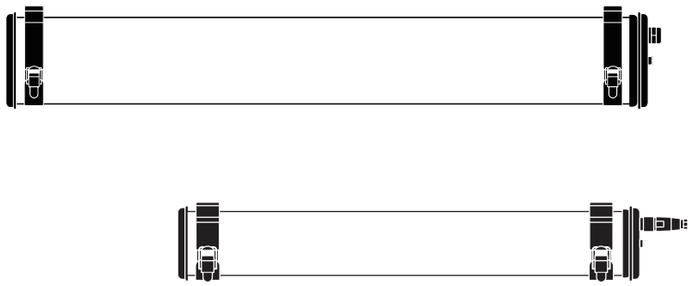
Many industrial sectors, such as food, iron and steel works, energy, chemicals, pharmaceuticals and other technical fields, face very specific environments.

Each must comply with distinct rules in terms of extreme temperature conditions, corrosion, mechanical loads and impacts, specific legislation, strict safety protocols, and health and cleanliness requirements. However, they share one key point: the need to meet high standards. They all insist on long-lasting performance, energy efficiency, and durable reliability. And most importantly, they all require the unfailing ability to withstand the toughest environments.

At Sammode, we aligned our priorities with theirs from the very start. We have built up unique and renowned expertise, bringing our lighting know-how to all industrial environments, no matter how demanding. Sammode has designed a wide and specialised range of tried-and-tested luminaires, where every little detail is designed for use in specific applications and under specific stresses.

Our customers can rely on us for a solid and long-lasting product designed to meet their requirements. An investment that will bring returns from day one. And well into the future.

The following pages list some of the main applications of Sammode products in industrial environments. Each application has its own requirements . . . and its own lighting solutions to match.



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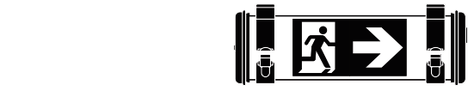

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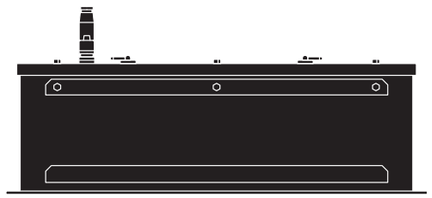
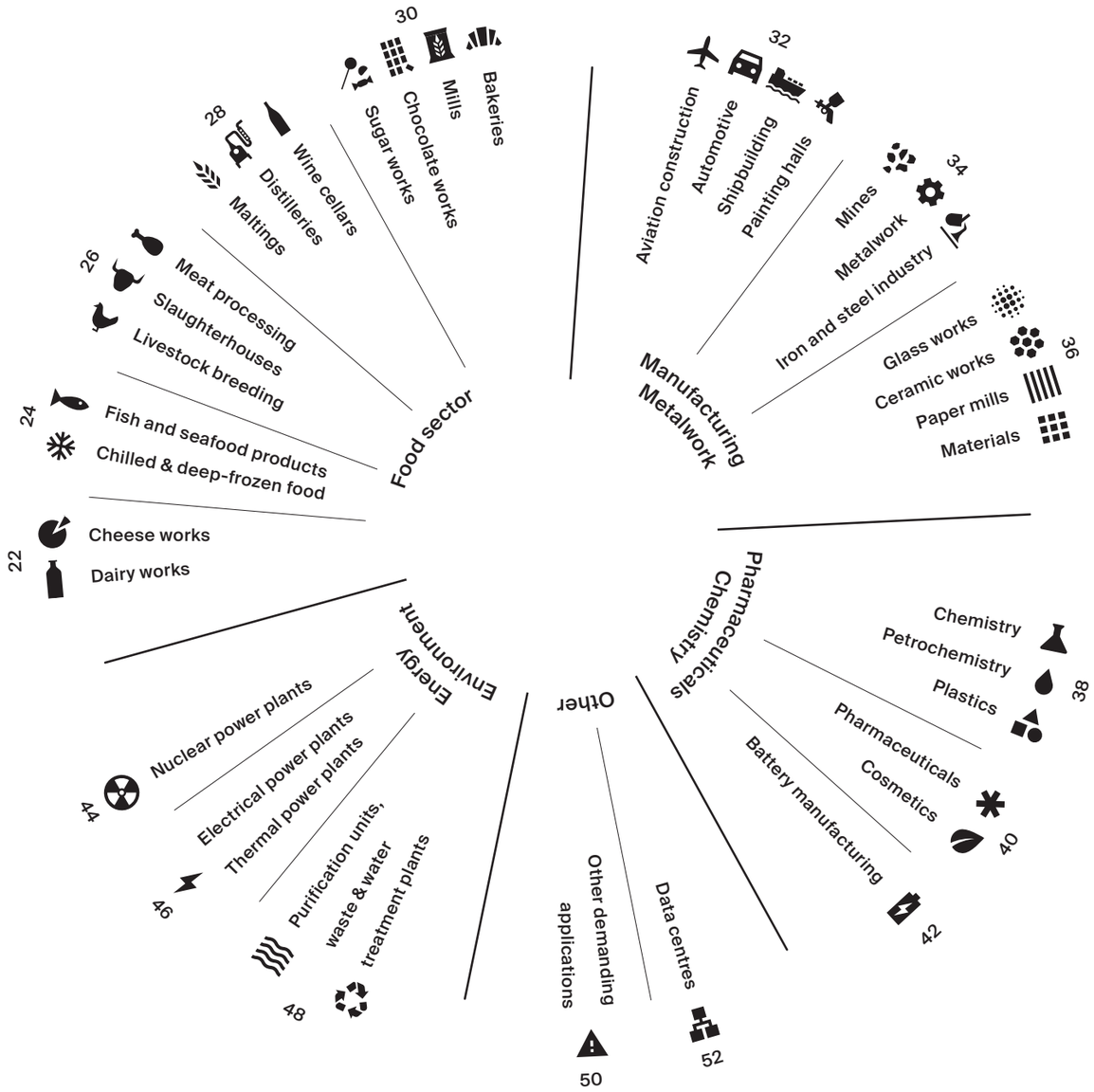


1. Sammode tubular luminaires: versions for different environments, including the most demanding settings.
2. Sammode sealed recessed luminaire



FOOD SECTOR

Dairy works
Cheese works

Health, safety and labour standards in the food sector are particularly strict and demanding when it comes to equipment and luminaires. Lighting systems must be frequently and intensely cleaned under high pressure, using corrosive detergents, meaning they must withstand tough conditions.

Sammode, the lighting specialist for tough environmental conditions, supplies sturdy, durable and 100% leaktight solutions for all temperature ranges, while guaranteeing uniform lighting at the required level.

Thanks to stainless steel mechanical parts, the absence of niches and a design that eliminates any risk of losing parts, Sammode luminaires comply with IFS and BRC standards, as well as the requirements of environments subject to HACCP standards.

IP68-69K

Exceptional resistance to tough environments
Our ultra-sealed (IP68/69K) luminaires can withstand intensive cleaning and high-pressure cleaning devices, and are designed to last while minimising the need for maintenance.

IK10

Unrivalled resistance to impacts
Our ultra-sturdy luminaires are manufactured in high quality materials and able to withstand impacts of up to IK10, and corrosion (316L stainless steel versions).

HIGH PERFORMANCE

Optimum lighting performance for production areas
Uniform glare-free lighting (diffused or directional), ideal for quality control and managed energy consumption.

Pascal

General lighting
Maturing cellars

Calmette

Clean rooms

Up to +40 °C

Cugnot Xtrem

Processing zones with extreme environments

Up to +50 °C

Maxwell/Coulomb

Emergency lighting for evacuations or ambient lighting

Joule X-Heat

Drying towers

Up to +85 °C

The products shown on this page are for information only. Other products may be indicated for these applications depending on the specific details of the project or the area to be lit.

FOOD SECTOR

Chilled and deep-frozen food Fish and seafood products

Luminaires installed in industrial chillers must meet specific requirements, particularly in the chilled and frozen food industry. In addition to withstanding cold temperatures and temperature variations, the luminaires must be compatible with impacts, high-pressure washing and detergents, to name just a few. Solutions must also meet hygiene and food safety standards.

Sammode can provide luminaires designed specifically for chillers and other refrigerated areas, able to absorb significant temperature variations and prevent any water ingress. Sammode luminaires represent a long-term investment for chilled and frozen food industry chillers.

Bering X-Cold

Extreme cold, deep-freeze tunnel

Down to -60 °C*

Barents X-Cold

Extreme cold, storage in facilities with high ceilings

Down to -60 °C*

Exceptional resistance to tough environments
Our sealed luminaires (IP68/69K) are constructed in stainless steel (316L), and designed to withstand extreme cold, humidity, intensive cleaning and impacts (IK10).

Ensuring compliance with hygiene and food safety standards
Lighting solutions designed to meet HACCP, IFS and BRC standards with easy cleaning and limited bacterial growth.

Optimised energy bills in confined spaces and at sites with high ceilings
Satin-finish optics ensuring visual comfort in processing areas and intensive beams for storage rooms with or without shelving, as well as optional motion sensors to minimise energy consumption.

* -60 °C model available for Bering X-Cold and Barents X-Cold from 2026

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FOOD SECTOR

Livestock breeders Slaughterhouses Meat processing plants

Livestock breeders, slaughterhouses and meat processing plants are subject to strict food safety standards and require specific equipment designed to meet their requirements, particularly when it comes to lighting. These luminaires must be compatible with intensive cleaning (aggressive agents applied under high pressure), vibrations and extreme temperatures.

Sammode, the expert in lighting for tough environments, offers ultra-sturdy and durable solutions for such applications, while guaranteeing the levels and quality of lighting required to ensure operator safety and visual comfort on site.

IP68-69K

Solid and reliable models compatible with extreme conditions
Our sealed luminaires (IP68/69K), in 304L or 316L stainless steel can withstand impacts (IK10), and are designed for damp environments, splashes and intensive cleaning.

✓BRC
✓HACCP
✓IFS

Guaranteeing food safety
Our luminaires come in one-piece designs to prevent the accumulation of dust and any loss of parts, Their materials are compatible with sensitive environments. This ensures compliance with environmental requirements as per HACCP, IFS and BRC.

+200 °C

Long-lasting lighting for high-temperature areas
Compatible with temperatures of up to +200 °C, which is ideal for cooking areas. 24⁄7 8-year warranty.

Pascal

General workshop lighting

Up to +35 °C

Cugnot Xtrem

Slaughterhouses, dye-penetrant testing and maturing areas

Up to +50 °C

Joule X-Heat

Baking areas, ovens

Up to +85 °C

Pauli HT200 X-Heat

Ovens and kilns

Up to +200 °C

Bering X-Cold

Deep freezing, chillers

Down to -60 °C*

Maxwell/Coulomb

Emergency lighting for evacuations or ambient lighting

* -60 °C model available for Bering X-Cold and Barents X-Cold from 2026

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FOOD SECTOR

Maltings
Distilleries
Wine cellars

Maltings, distilleries and food production sites are complex industrial environments subject to strict requirements in terms of safety, durability and performance levels. The grain is fermented in these areas (in maltings) before the alcohol is distilled (in a distillery), so constant vigilance is required for these food-grade processes.

Lighting must be compatible with strict requirements: ATEX/IECEx zones, damp conditions, high temperatures, and intensive cleaning with corrosive products, sometimes under high pressure. Sammode can provide sturdy, durable and 100% leaktight solutions which are suitable for these specific conditions, while complying with strict hygiene standards (HACCP, IFS, BRC, etc.) and guaranteeing the uniform lighting levels required to keep staff safe and protect the facility.

Resistance to damp and dusty environments
Our sealed luminaires (IP68/69K) are sturdy and suitable for damp or dusty environments or high levels of alcohol vapours.

Resistance to high temperatures
Our luminaires are designed with high quality components selected for their ability to withstand temperatures of up to +85 °C with an 8-year warranty in intensive operating conditions.

Featherweight ATEX/IECEx luminaires
These ergonomic models are specifically designed for ATEX/IECEx zones 1, 2, 21 and 22. They are light (co-extruded polycarbonate/PMMA body), and easy to install and maintain.

Cugnot Xtrem
Steeping, germination
Up to +50 °C

Sabatier Xtrem
Distillation in Zone 1 environments
Up to +50 °C

Joule X-Heat
Kilning, drying
Up to +85 °C

Jamin
Ageing wine cellars in Zone 2 environments
Up to +35 °C

Boyle Xtrem
Storage silos, and other ATEX/IECEx, zones 2, 21 and 22
Up to +50 °C

Alder
ATEX/IECEx Zone 1
Up to 35 °C

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FOOD SECTOR

Sugar works
Mills
Chocolate works
Bakeries

Equipment installed at food production sites such as sugarworks, chocolate works, mills and bakeries is subject to particularly strict food safety standards, and lighting is a key factor. Each of the phases carried out in these environments, from the processing of raw materials to the transformation of the products, brings its own challenges: dirty external conditions when the raw materials are delivered, strict health standards (HACCP, IFS, BRC, etc.) during the processing phases, and ATEX/IECEx environments during some critical steps. Over and above these challenges, intensive cleaning, non-stop vibrations and high and low temperature variations must also be taken into consideration.

Reinforced protection against dust and humidity
Our 100% sealed luminaires (IP68/69K) have been designed to keep fine particles out and withstand splashes and frequent cleaning, including under high pressure.

Resistance to high temperatures
Our solid luminaires are designed with components selected for their ability to withstand temperatures of up to +85°C with an 8-year warranty in intensive ²⁴⁄₇ operating conditions.

Featherweight ATEX/IECEx luminaires
These ergonomic models are specifically designed for ATEX/IECEx zones 1, 2, 21 and 22. They are light (co-extruded polycarbonate/PMMA body), and easy to install and maintain.

Cugnot Xtrem
Acceptance, washing, cutting and liming
Up to +50 °C

Boyle Xtrem
Storage in Zones 21 and 22 environments
Up to +50 °C

Joule X-Heat
Crystallisation, centrifugation and drying
Up to +85 °C

Sabatier Xtrem
Distillation in Zone 1 environments
Up to +50 °C

Rankine X-Heat
Confined spaces and high temperatures
Up to +70 °C

Sill 48 Xtrem
High ceilings, conveyor belts
Up to +50 °C

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MANUFACTURING AND METALWORK

Aviation construction Automotive Shipbuilding Painting halls

Lighting in the aviation, automotive and ship construction sectors, as well as in painting halls, must satisfy the specific requirements inherent in complex industrial environments. Heavy and large loads are handled at these sites, and reliable effective lighting is critical to ensure the safety of personnel. Furthermore, particularly in the shipbuilding world, lighting must be designed to withstand a highly corrosive and damp environment with vibrations, and for installation at high heights (on gantries or masts).

Sammode can provide sturdy durable solutions suitable for such tough conditions, while guaranteeing the uniform lighting levels required to ensure user safety in these contexts.

Resistance to demanding industrial environments
Our sturdy sealed luminaires (IP68/69K) are compatible with solvents and the specific atmospheres found at industrial production sites, including coastal locations (316L stainless steel, and AlSi12 aluminium floodlights with low copper content).

Powerful floodlights for areas with high ceilings
Powerful floodlights of up to 48,000 lumens for use in halls with high ceilings, or outdoor facilities.

High-performance lighting for precise applications and inspections
Uniform lighting, with no colour alteration (up to CRI95), guaranteeing optimal visual comfort for assembly, inspection, finishing and painting operations.

Cugnot Xtrem

Workshops, walkways

Up to +50 °C

Maxwell/Coulomb

Emergency lighting for evacuations or ambient lighting

Boyle Xtrem

Paint booths in Zones 2, 21 and 22

Up to +50 °C

Sill 48 Xtrem

High ceilings

Up to +50 °C

Sabatier Xtrem

Paint booths in Zone 1

Up to +50 °C

Sill 176

Hangars

The products shown on this page are for information only. Other products may be indicated for these applications depending on the specific details of the project or the area to be lit.

Mines
Metalwork
Iron and steel industry

Metal production and transformation processes create particularly harsh conditions for lighting equipment, with intense heat, dust, vibrations, multi-factor corrosion, rust and sometimes explosive atmospheres (ATEX/IECEx) and more. To avoid wasting time or capital maintaining and replacing parts, it is essential to install solid and durable luminaires suitable for each area and the specific conditions in each zone.

Sammode, the lighting specialist for tough environments, can provide solutions suitable for such demanding conditions, while guaranteeing the uniform lighting levels required to ensure user safety for years to come.

Extreme solidity for tough conditions
Our luminaires are designed to withstand dust and vapours (IP68/69K). Co-extruded polycarbonate/methacrylate body able to withstand acids, UV radiation and abrasive forces long-term.

Reliability, safety and impact resistance
Our luminaires can withstand intensive vibrations and impacts (IK10- IEC 60068-2-6) and incorporate extended-life electronics in compliance with the strictest industrial safety requirements.

Resistance to very high temperatures
These luminaires are designed to withstand temperatures of up to +200°C (thanks to the borosilicate glass body) The special housing system absorbs the effects of temperature variations.

Cugnot Xtrem

Walkways, conveyor belts and crushers

Up to +50 °C

Foucault

Milling, rotating machinery

Up to +40 °C

Leslie X-Heat

Hot rolling, corrosive environments

Up to +105 °C

Boyle Xtrem

ATEX/IECEx Zones 2, 21 and 22 environments

Up to +50 °C

Pauli HT200 X-Heat

Coke and blast furnaces

Up to +200 °C

Sill 48 Xtrem

Large outdoor areas

Up to +50 °C

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MANUFACTURING AND METALWORK

Glass works
Ceramic works
Paper mills
Materials

Industries such as glass and ceramic works, paper mills and materials operate in particularly demanding environments when it comes to lighting, with abrasive dust, constant damp and intense heat, and potentially chemical projections.

Sammode lighting solutions are designed to provide durable lighting in the tough environments where devices ranging from presses and drying and finishing equipment to reels are installed.

Extreme solidity for tough conditions
Our luminaires are designed to withstand corrosive environments and abrasive conditions, dust and vapours (IP68/69K), sometimes even in ATEX/IECEx zones.

Resistance to electric shocks
Our reinforced electronics can withstand electric shocks, disturbances and grid overvoltage of up to 4 kV.

Resistance to maximum thermal loads
Our luminaires are designed to withstand extensive temperature variations, up to +200°C.

Cugnot Xtrem

Workshops, processing areas

Up to +50 °C

Boyle Xtrem

Chemical storage in Zones 2, 21 and 22 environments

Up to +50 °C

Joule Xtrem

High-temperature processes, drying

Up to +85 °C

Leslie X-Heat

Corrosive environments

Up to +105 °C

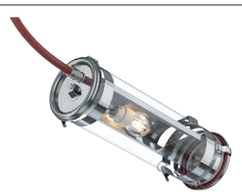
Rankine X-Heat

Confined spaces

Up to +70 °C

Maxwell/Coulomb

Emergency lighting for evacuations or ambient lighting



Pauli HT200 X-Heat

Extreme temperatures

Up to +200 °C

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Chemistry Petrochemistry Plastics

Industrial environments in the chemistry, petrochemistry and plastics sectors have strict lighting requirements. Between potentially explosive environments, high temperatures, the projection of aggressive chemicals and strong vibrations from equipment, these luminaires must come with guaranteed unfailing strength and reliability.

Thanks to expertise built up over many years, Sammode can design ultra-durable lighting solutions able to withstand the demanding conditions faced in these sectors. The sturdy design and high-quality materials used for Sammode luminaires guarantee optimal protection from corrosion, impacts and wear, protecting operators and ensuring that your facility will last far into the future.

Resistance to aggressive and corrosive environments
Our sealed IP68/IP69K luminaires are designed to withstand chemicals, vapours, corrosive gases and splashes.

Reinforced safety in high-risk zones
We provide highly resistant materials, with or without explosion-proofing, in compliance with industrial safety requirements for ATEX/IECEx environments in zones 1, 2, 21 and 22.

Electrical reliability
Our reinforced electronics can withstand electrical shocks and grid overvoltage of up to 4 kV.

Napier Xtrem

Corrosive environments excluding ATEX/IECEx zones

Up to +50 °C

Boyle Xtrem

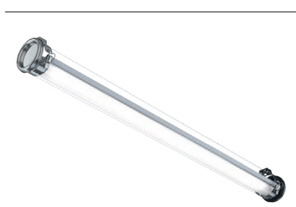
ATEX/IECEx processes in Zones 2, 21 and 22

Up to +50 °C

Sabatier Xtrem

Offshore platforms and other Zone 1 environments

Up to +50 °C



Alder

ATEX/IECEx Zone 1

Up to +35 °C

Jamin

ATEX/IECEx Zones 2, 21 and 22 environments

Up to +35 °C

Fumat

High ceilings
ATEX/IECEx Zones 2, 21 and 22 environments

Up to +35 °C

Sill 48 Xtrem

Large outdoor areas

Up to +50 °C

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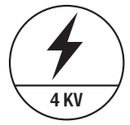
Pharmaceuticals Cosmetics

The pharmaceutical and cosmetics industries set strict lighting requirements. Between clean rooms requiring absolute cleanliness and a controlled environment to avoid any type of contamination, and demanding manufacturing protocols, luminaires must be able to satisfy cleanliness, leaktightness and durability criteria.

Sammode designs ultra-durable lighting solutions which are perfectly compatible with such tough environmental conditions. Our sealed luminaires prevent any dust or microparticle ingress, while the materials used can withstand detergents and disinfectants, guaranteeing an optimal lifespan and providing safe working conditions for operators in compliance with the strictest standards.

Designed for controlled environments
Our luminaires are designed in stainless steel able to withstand intensive cleaning (including aggressive agents), while guaranteeing total leak-tightness (IP68/IP69K).

Ensuring compliance with health and safety standards
Our lighting solutions are compliant with HACCP, GMP and ISO standards thanks to the smooth stainless steel design, preventing any particle retention, and are ideal for clean rooms and ultra-clean production areas.

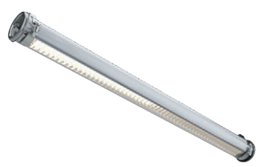


Electrical reliability
Our reinforced electronics can withstand electrical shocks and grid overvoltage of up to 4 kV.

Foucault
Confined spaces

Napier Xtrem/Cugnot Xtrem
General lighting
Up to +50 °C

Pascal/Crookes
General lighting



Brueghel
Laboratories, visual inspections and precision operations

Calmette
Clean rooms, laboratories

Maxwell/Coulomb
Emergency lighting for evacuations or ambient lighting

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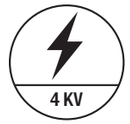
CHEMISTRY AND PHARMACEUTICALS

Battery manufacturing

The battery industry environments are particularly sensitive and demanding from both chemical and electrical points of view. Lighting in areas ranging from mixing zones to forming lines, as well as dry rooms and assembly workshops, must be able to withstand corrosive atmospheres, active dust and controlled temperatures and meet a need for absolute cleanliness.

Sammode luminaires are specifically designed to withstand these conditions. Their leaktight construction in borosilicate glass and 316L stainless steel ensures total protection from chemicals and easy cleaning. In addition, the embedded electronics are protected from electrostatic discharges, surges and interference, guaranteeing unfailing reliability. These luminaires provide a long-lasting safe lighting solution which can meet the required performance levels of the energy storage industry.



Non-stop maintenance-free operation
Our luminaires incorporate reinforced electronics able to withstand electrical shocks and grid overvoltage, up to 4 kV, and can therefore offer unrivalled reliability levels and considerably reduce maintenance requirements, which is particularly appreciable in these hard-to-access areas.

Can withstand high temperatures of up to over +100 °C
Our luminaires can withstand the negative temperatures found in *dry rooms* as well as the high temperatures in oven areas (some models are fitted with remote drivers).

Tried-and-tested ability to withstand extreme environments
Our luminaires can withstand the zero humidity levels (IP68/69K) found in anhydrous zones, solvent vapours, metal dust, impacts (IK10) and splashes, and are compatible with ATEX/IECEx rules in zones 1 or 2.

Pascal

Process zones with controlled humidity levels, inspections and storage

Boyle Xtrem

ATEX/IECEx Zones 2, 21 and 22 environments

Up to +50 °C

Cugnot Xtrem

Tough environments

Up to +50 °C

Sabatier Xtrem

ATEX/IECEx Zone 1 environments

Up to +50 °C

Leslie X-Heat

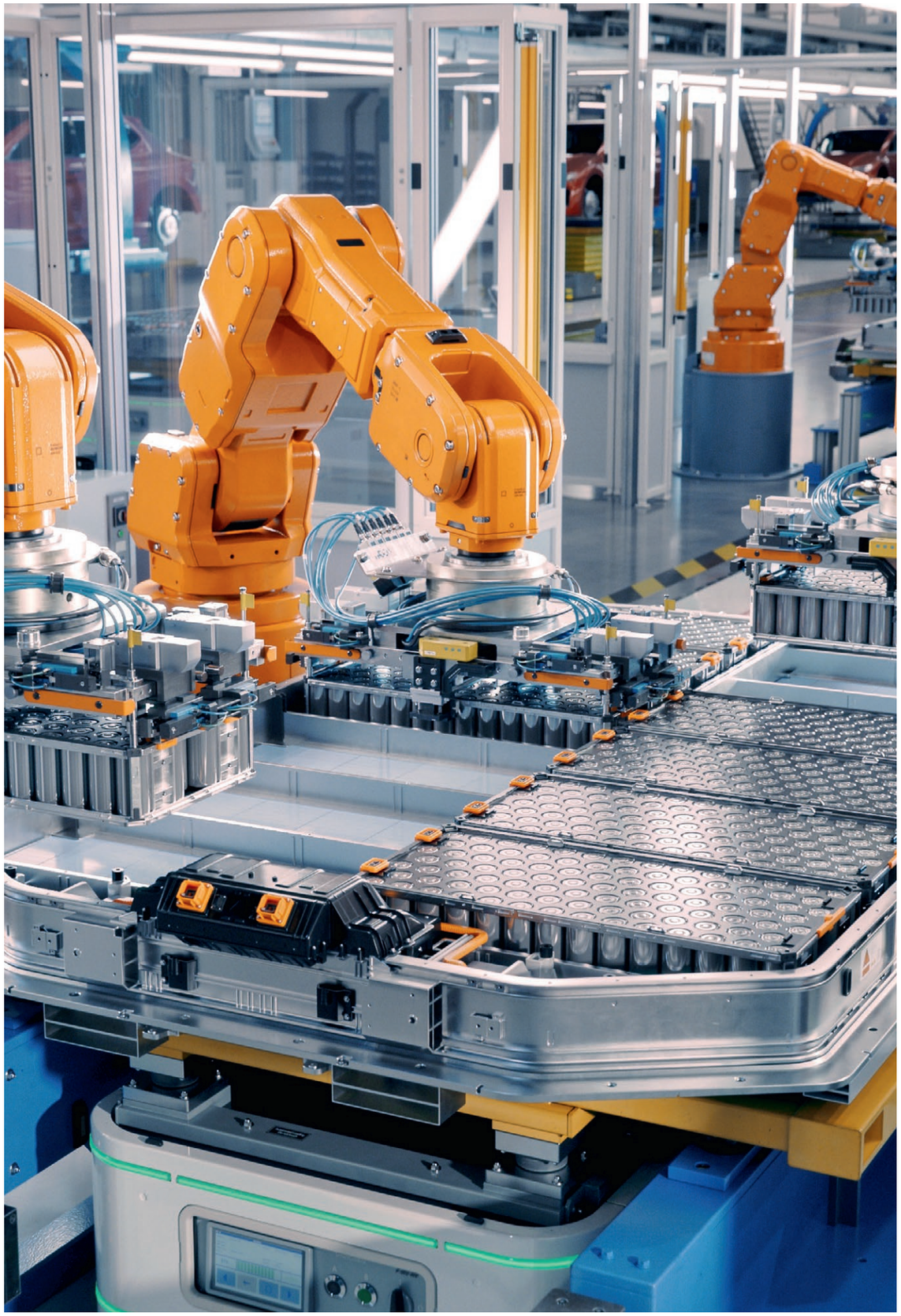
Electrode drying, excluding ATEX/IECEx zones

Up to +105 °C

Joule Xtrem

Non-ATEX/IECEx zones, at high temperatures

Up to +85 °C



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ENERGY AND ENVIRONMENT

Nuclear power plants

Both early and new-generation nuclear power plants require lighting compatible with extreme safety, solidity and total reliability requirements. Luminaires must be compatible with tough conditions depending on the specific area in question: heat, humidity, radiation, corrosive environments and confined spaces. Luminaires must continue to function after an impact, vibrations or a power cut. Lighting plays a critical role in non-stop operation and crisis management.

With around half a century of experience of working with the technical teams at French NPPs, Sammode has developed ultra-durable luminaires with an ultimate 10-year warranty, especially designed to withstand the conditions in the different areas of nuclear power plants, which are frequently extreme and vary substantially, to maintain safety and reliability at the facility.

Maximum reliability for sensitive environments
Our luminaires are designed to withstand radiation and humidity—particularly in the form of steam—at high temperatures and in confined spaces. They guarantee minimum maintenance and a considerable reduction in operating costs, including when in use 24/7.

Safe and compliant critical facilities
We can provide equipment designed to meet requirements at nuclear sites, offering properties such as K3 earthquake design, a one-piece unit, resistance to overvoltage up to 320 V/48 h, and high temperatures of up to 55 °C, as per RCC-E.

Designed to last
Our systems are designed to be 100% repairable and upgradable, in 304L and 316L stainless steel with sturdy long-lasting electronics (90,000 h under intensive 24/7 use). Our luminaires will stand the test of time for the entire life of the power plant, regardless of technological upgrades and regulatory changes.

Joliot Xtrem

Electrical buildings, substations, turbine halls, cooling towers, pumping stations, reactor buildings

Up to +55 °C

Boyle Xtrem

ATEX/IECEx Zones 2, 21 and 22 environments

Up to +50 °C

Maxwell/Coulomb

Emergency lighting for evacuations or ambient lighting

Sabatier Xtrem

ATEX/IECEx Zone 1 environments Battery and diesel generator rooms

Up to +50 °C

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Thermal and other types of power plants

Thermal and other types of power plants have strict lighting requirements. Between extreme temperatures, mechanical vibrations, dusty environments and exposure to potentially corrosive substances, luminaires must come with guaranteed unfailing strength and reliability.

Sammode can design ultra-durable lighting solutions which are perfectly compatible with the tough conditions at strategic infrastructures. The solid design of these luminaires provides optimum protection from heat, impacts and splashes, while high-performance materials are used to guarantee exceptional durability, helping to ensure operator safety and equipment efficiency.

Resistance to tough industrial environments
Our sturdy sealed luminaires can withstand high temperatures, humidity (IP68/69K), impacts (IK10), dust and industrial atmospheres.

Resistance to high temperatures
Our luminaires and their components are especially designed for high-temperature environments (some versions are fitted with remote drivers or borosilicate glass parts).

Solidity to resist corrosion risks
Our luminaires are designed in marine-grade 316L stainless steel for coastal or other highly corrosive facilities, ensuring protection from bad weather (IP68 /69K).

Cugnot Xtrem

General lighting, nearby external areas

Up to +50 °C

Joule X-Heat

Turbines and boilers

Up to +85 °C

Foucault

Confined spaces

Up to +40 °C

Rankine X-Heat

Confined spaces and high temperatures

Up to +70 °C

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Purification units Waste and water treatment plants

Waste and water treatment plants and purification units can suffer from high ambient relative humidity and high concentrations of corrosive compounds. These environments can also be subject to ATEX/IECEx requirements, or even specific installation requirements.

Sammode, the lighting specialist for tough environments, offers durable, sturdy solutions compatible with such sites, guaranteeing the levels and quality of lighting required to ensure safety and compliance on site, even in such extreme conditions.

Solidity designed for sensitive environments
Our 100% sealed luminaires (IP68/IP69K) can withstand constant high relative humidity, as well as bad weather and high-pressure cleaning.

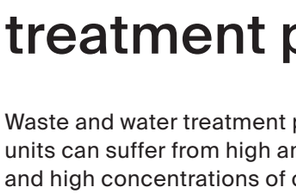
High resistance to corrosion and intensive cleaning
Our luminaires are designed in 316L stainless steel with a co-extruded polycarbonate PMMA body for facilities with highly corrosive environments (acid vapours).

Ensuring reliability for sites facing constant tough conditions
These solid and durable models are particularly light and easy to handle, suitable for explosive environments thanks to ATEX/IECEx luminaires for zones 1 and 2.

Cugnot Xtrem

External pools, maintenance tunnels

Up to +50 °C



Boyle Xtrem

ATEX/IECEx Zone 2 settling ponds

Up to +50 °C

Sabatier Xtrem

ATEX/IECEx Zone 1 recovery ponds

Up to +50 °C

Sill 48 Xtrem

Large outdoor areas

Up to +50 °C

Maxwell/Coulomb

Emergency lighting for evacuations or ambient lighting

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OTHER

Data centres

Data centres are subject to strict requirements in terms of reliability, electrical safety and continuity of service. In these highly sensitive environments, where any failure can interrupt critical services, lighting
must be effective and solid, and fully integrated in the technical infrastructures.

Sammode luminaires are designed to operate 24/7 without any effect on their performance, offering an excellent level of resistance to electromagnetic interference, voltage variations and temperature-controlled environments. The sealed tubular design (IP68/IP69K) of our luminaires prevents dust from ingressing sensitive spaces, while simplifying maintenance. These reliable, durable and safe models can meet all of the maximum availability requirements inherent in data centres in full.

Solidity designed for sensitive environments
Our luminaires are 100% sealed (IP68/IP69K) and can withstand strong vibrations, heat and dust, guaranteeing non-stop reliable lighting in server halls, plenums and maintenance areas.

Guaranteed reliability and safety thanks to reinforced electronics
Our reinforced electronics can withstand electrical shocks and grid overvoltage (320 V/48 h), guaranteeing unrivalled levels of reliability, with optimum safety.

Optimised energy bills with reliable Smart lighting
Opt for a luminaire with motion sensors or remote drivers to reduce your energy bills by over 70%, and benefit from predictive maintenance options for an ultra-reliable lighting set-up.

Pascal

Server rooms, Maintenance rooms

Up to +35 °C

Boyle Xtrem

Generator, diesel generator, in Zone 2 environments

Up to +50 °C

Joule X-Heat

Fire safety zones

Up to +85 °C

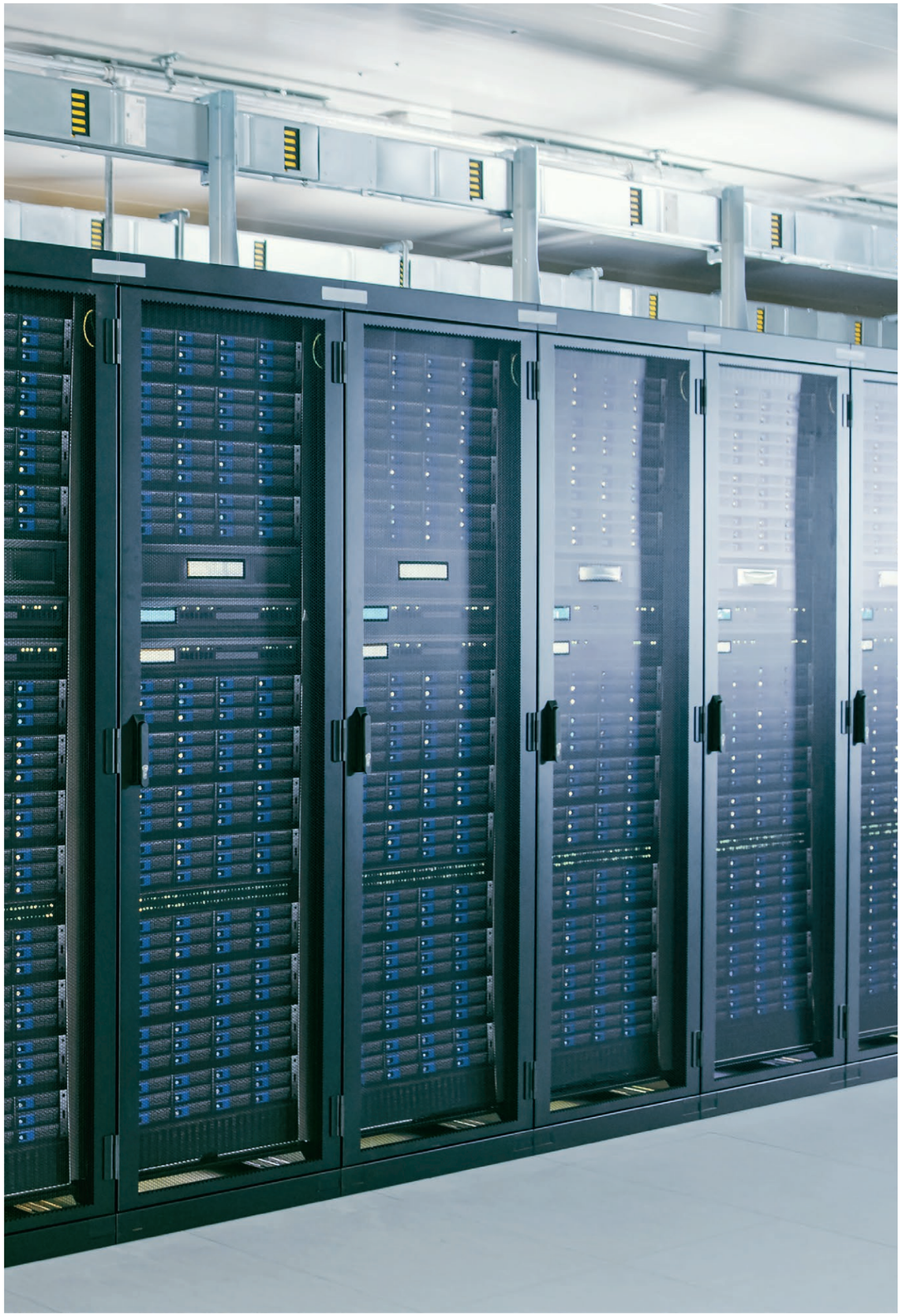
Maxwell/Coulomb

Emergency lighting for evacuations or ambient lighting

Cugnot Xtrem

Heat generation and management

Up to +50 °C



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OTHER

Other demanding applications

Sammode can provide luminaires designed to meet the specific requirements of transport infrastructures, such as railway tunnels, maintenance workshops, station concourses and platforms, metro stations and commercial ports. Our solutions can withstand vibrations, impacts, humidity and corrosive or saline environments, guaranteeing unfailing reliability in the toughest operating conditions.

Sammode luminaires combine solidity with photometric performance and are a great fit visually for operating areas and zones open to the public, offering reliable lighting and improving safety, visual comfort and the experience of operators and other users.

Sammode combines smart lighting with motion sensors to bring a whole range of complementary benefits (primarily savings, visual comfort and predictive maintenance capacities).

Solid long-lasting models in all circumstances
Our luminaires and management solutions (DALI connection solutions combined with sensors) are designed to guarantee optimal performance, including in the toughest environments.

Expert optics suited to every area of your infrastructure
Sammode luminaires come with a wide range of beams (diffused, directional or bidirectional), with or without louvres, enabling users to opt for a specific lighting effect and levels depending on the specific needs in each area.

Durable and upgradable facilities
A 100% repairable and upgradable design ensuring an unrivalled lifespan of up to 30 years.

Cugnot Xtrem

Railway tunnels

Benson

Directed lighting, ideal for station platforms and concourses

Niepce Fv

Maintenance pits

Scorel

ULR 0%, ideal for nearby external areas

Pascal

Industrial areas, tunnels

Turner

Underground stations, corridors and undercover platforms

The products shown on this page are for information only. Other products may be indicated for these applications depending on the specific details of the project or the area to be lit.

Selection guide for each type of requirement

Solutions designed for all types of environments.

			Industry			Xtrem					X-Heat			X-Cold	
			Pascal	Crookes	Carnot	Cugnot	Joliot	Napier	Fresnel	Sill 48	Joule	Leslie	Pauli	Bering	Barents
Ex	ATEX/IECEx zone 1														
	ATEX/IECEx zones 2, 21 or 22														
	High ceilings								●	●					●
	High temperatures up to	+200 °C											●		
		+105 °C										●			
		+85 °C									●				
		+70 °C													
		+50 °C			●	●	● [1]	●	●	●					
		+40 °C													
		+35 °C	●	●										●	
		+30 °C													
		+25 °C													●
	Cold temperatures down to	0 °C													
		-20 °C	●	●	●	●	●	●	●		●	●		●	
		-40 °C								●					
		-60 °C												● [2]	● [2]
	Water and dust tightness	Up to IP68/69K	●	●	●	●	●	●	●		●	●	●	●	●
		Up to IP68													
		IP 65								●					
	Impacts	IK10	●		●	●	●		●		●			●	●
		IK09								●					
		IK07		●				●				●	●		
	Intense vibrations			●		●	●	●	●	●	●	●		●	●
	Extremely corrosive/ abrasive environment			●				●				●			
	Overvoltage 320 V AC 48 h		●	●	●	●	●	●	●	●	●	●	●	●	●
	Surge protection (4 kV)				●	●	●	●	●	●	●	●		●	●
	Optional built-in battery		●				●								
	Optional built-in HF detector		●											●	●
DALI	DALI option		●	●	●	●	●	●	●	●				●	●

1. Up to 55 °C
2. From 2026

			ATEX / IECEx					Compact				Emergency		
			Alder	Jamin	Sabatier	Boyle	Fumat	Niepce FV	Foucault	Rankine	Calmette	Maxwell	Coulomb	Maxwell X-Cold
Ex	ATEX/IECEx zone 1		●		●									
	ATEX/IECEx zones 2, 21 or 22			●		●	●							
	High ceilings						●							
	High temperatures up to	+200 °C												
		+105 °C												
		+85 °C												
		+70 °C								●				
		+50 °C			●	●	●							
		+40 °C							●		●	●		
		+35 °C	●	●				●						
		+30 °C											●	
		+25 °C												●
	Cold temperatures down to	0 °C											● BAES	
		-20 °C	●	●	●	●	●	●	●		●	●	● LSC	
		-40 °C												
		-60 °C												●
	Water and dust tightness	Up to IP68/69K	●	●	●	●	●	●	●	●		●	●	●
		Up to IP68									●			
		IP 65												
	Impacts	IK10	●	●	●	●	●	●	●	●		●	●	●
		IK09									●			
		IK07												
	Intense vibrations				●	●	●	●						
	Extremely corrosive/ abrasive environment				●	●								
	Overvoltage 320 V AC 48 h		●	●	●	●	●	●	●	●	●			
	Surge protection (4 kV)					●	●			●	●			
	Optional built-in battery			●		●		●				●	●	
	Optional built-in HF detector							●	●					
DALI	DALI option			●		●	●	●	●		●	●		

Sammode offers

custom support from experts at every step of your project

Diagnosis and recommendations

Each type of environment and application comes with its own lighting requirements. Our expert teams analyse every detail of operating conditions, the requirements at the facility, regulatory obligations and the specific priorities for your project. Thanks to our expertise, we can recommend the most suitable products and technologies to meet your needs, based on all technical, design, economic and environmental aspects.

Lighting studies

Lighting plays a key role in safety, visual comfort and energy efficiency. Sammode teams can run precise photometric studies in order to guarantee uniform lighting suitable for each specific application, while optimising the number of light points and minimising energy consumption and the inherent carbon footprint.

Our studies can also precisely evaluate potential energy savings (and the amount saved) thanks to our lighting solutions and smart management systems. In addition, we can quantify the environmental impact of your lighting plans by estimating the reduction in CO_2 emissions.

On-site testing and support

Every project is different, so our teams are here to support you every step of the way, from the design stage to installation, and custom monitoring after installation. We offer testing in actual conditions, depending on the scenario, in order to confirm the conformity of the selected solutions and adjust as necessary. Our teams stay by your side after the installation process, providing support with commissioning, training and optimising the final adjustments to ensure long-lasting performance.

Here are just a few of the industrial names using Sammode lighting solutions:

Dairy and cheese works
Bel Group
Isigny Ste-Mère
Lactalis
Maîtres Laitiers
Mamie Nova
Nestlé
Richesmonts
Savencia
Sodiaal
Yoplait

Chilled and deep-frozen food, Fish and seafood products
Bonduelle
Compagnie des Pêches
Häagen-Dazs
Intermarché
Labeyrie
McCain
Nestlé
Varachaux

Livestock breeders, Slaughterhouses and Meat processing plants
Bigard
Charal
Elivia
Fleury Michon
Galliance
Hénaff
Herta
LDC
Madrange
Maître Coq
Socopa
Teys Australia
Van Drie Group
Zenz Fleisch GMBH

Maltings, Distilleries and Wine cellars
Cargill
Coopers
De Mouterij
Holland Malt
Inter Malta
Ireks
Malteurop
Soufflet
Unicer

Sugar works, mills, chocolate works and bakeries
Couplet Sugars
Cristal Union
Erstein
Saint Louis
Savanna
Toury sugarworks
Lillers sugarworks/ distillery
Tereos

Aviation, Automotive, Shipbuilding and Painting halls
Airbus
dB Vib
French navy
Sabena

Mines, Metalwork, Iron and steel industry
Arcelor Mittal
Corus
Eisengiesserei
Torgelow
Montupet
Tata Steel
Thyssenkrupp

Glass works, Ceramic works, Paper mills and Materials
Cartaseta
International Paper
Metsaboard
Mondi
Seyfert
Smurfit Kappa
Verallia

Chemistry, Petrochemistry and Plastics
Adisseo
Adnatco
British Petroleum
Eurenco
KEM ONE
Naphtachimie
Perenco
Petronas
QAPCO
Sanofi
Total

Pharmaceuticals and Cosmetics
Astrea Pharma
Corden Pharma
Roche
Sanofi

Nuclear power plants
EDF

Thermal and other types of power plants
Dalkia
E.ON Energy
EDF
Gazelenergie

Water and waste treatment and purification units
DWA Siegen
Eau De Paris
Lückmann
Pumpen-Center
RÜBs Ara Bern
RÜBs Bottwarstrasse
ZWA Hainichen

Data centres
Cloud HQ
Verdon group
Interxion 13

Notes

Notes

Check out our full range of industrial and infrastructure products at:

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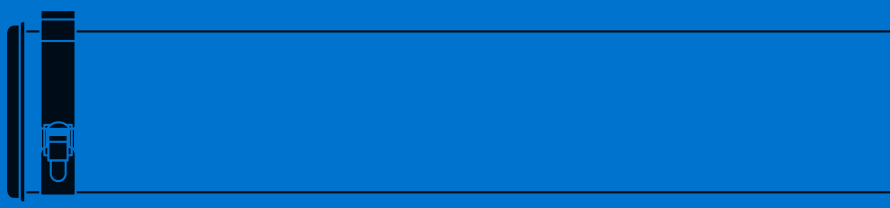
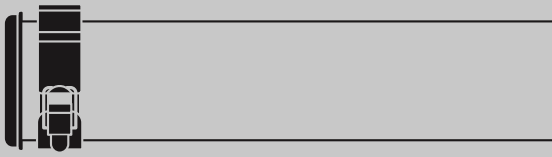
Sammode supplies solutions to food processing and industrial sectors, including industrial processes: plants, production lines and transformation areas; sensitive environments: clean rooms, laboratories and controlled environments. In the food sector, Sammode can equip production workshops, cold storage zones and packaging areas.





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